

U.S. Application No.: 10/689,220
AMENDMENT A

Attorney Docket: 3975.024

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-7. (canceled)

8. (previously presented) An open-pore moulded body based on β -tricalcium phosphate, wherein said moulded body has a composition ranging between (in % by weight) 46.1 and 54.0 CaO, 38.9 and 45.5 P_2O_5 , 0.005 and 11.4 SiO_2 , 0.001 and 4.05 Na_2O and 0.0005 and 1.8 MgO and solely comprises β -tricalcium phosphate as a crystalline phase according to roentgenographic analyses.

9. (currently amended) An open-pore moulded body based on β -tricalcium phosphate (β -TCP), wherein said moulded body has a composition ranging between (in % by weight) 46.1 and 54.0 CaO, 38.9 and 45.5 P_2O_5 , 0.005 and 11.4 SiO_2 , 0.001 and 4.05 Na_2O and 0.0005 and 1.8 MgO and solely comprises β -tricalcium phosphate as a crystalline phase according to roentgenographic analyses and is manufactured by

(a) _____ separately producing β -tricalcium phosphate and separately producing a glass consisting of 68-78% by weight SiO_2 , 5-12% by weight MgO and 12-27% by weight Na_2O ,

(b) _____ mixing 99.5-85% by weight β -tricalcium phosphate and 0.5-15% by weight glass,

(c) _____ processing the mixture into a slurry ~~in a usual manner~~,

(d) _____ impregnating said slurry ~~applying it~~ onto an open-pore sponge and

(e) _____ sintering the product of step (d) [[it]] at between 1,150 and 1,350°C to obtain after cooling the moulded body, with the provision that the sintered product has β -TCP grains with a grain size of β -TCP is 1-7.5 μm , glass grains with a the grain size of the glass is 0.7-2 μm , and with the further provision that and the grain size of β -TCP must not be smaller than that of the glass.

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